

**OKLAHOMA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISIONS  
FOR  
GUARD RAIL AND GUIDE POSTS**

These Special Provisions revise, amend, and where in conflict, supersede applicable sections of the 1999 Standard Specifications for Highway Construction, English and Metric, as applicable. Units of measurement are provided in the subsections in both English and Metric equivalents. The units applicable for this project will be those specified in the project plans.

*(add the following:)*

**623.01. DESCRIPTION.**

This work shall consist of furnishing and installing the Guardrail Extruder Terminal (G.E.T.) guardrail end treatment, or equal (based on equivalent crash-test results and equivalent site space requirements) at the locations shown on the Plans. After installation, the end treatments shall remain intact, redirect side vehicular impacts and flatten the rail element to attenuate head-on vehicular impacts within normally expected ranges.

**623.02. MATERIALS.**

All materials shall be new. The G.E.T. shall be manufactured and assembled in conformance with the Manufacturer's standards and requirements. The G.E.T. shall be capable of flattening the guardrail to a thickness of approximately one inch (25 mm) and bend it away from the impacting vehicle. This unit shall be attached to a 6 inch by 8 inch (150 mm by 200 mm) wood post by two 3/8 inch by 5 inch (9.5 mm by 125 mm) lag screws. The post shall be installed in a galvanized steel tube 8 inches by 6 inches by 3/16 inch by 4feet-6 inches (200mm by 150 mm by 4.8 mm by 1.4 meter) long with a 1 foot-6 inch by 2 foot by 1/4 inch (450 mm by 600 mm by 6.3 mm) soil plate attached to the steel tube. A breakaway-cable assembly shall be anchored to the guardrail as shown in the Plans. Other posts and foundation tube assemblies in the system will be of similar size. Posts 1 thru 4 must be set in the steel foundation tubes. The breakaway posts at locations 5,6,7 and 8 may be installed as shown in the Plans or may utilize posts as shown on the Plans in Option 'B' (without tubes).

The guardrail elements shall be 25 foot (7.6 meter) continuous 12-gauge sections. Rail elements and timber posts shall meet the requirements for materials as specified in Section 732.

**623.04. CONSTRUCTION METHODS.**

(f.) G.E.T. Guardrail End Treatments. G.E.T. guardrail end treatments shall be fabricated and installed by experienced workers and in accordance with details shown in the Plans so as to provide an end treatment which will remain intact, redirect side vehicular impacts and flatten the rail element to attenuate head-on vehicular impacts within normally expected ranges.

**623.05. METHOD OF MEASUREMENT.**

Each Guardrail Extruder Terminal installation will be measured by the unit for each installation in place as shown in the Plans.

**623.06. BASIS OF PAYMENT.**

623-1(b) 99  
11-26-01

Each accepted G.E.T. installation constructed in accordance with the Plans and measured as provided above, will be paid at the contract price for:

(H)	GUARDRAIL EXTRUDER TERMINAL (G.E.T.)	
	GUARDRAIL END SECTION	EACH

which shall be full compensation for all labor, equipment, tools, incidentals, and services, and for furnishing all materials necessary to complete the work described in this Item, including wood posts, guardrail, cable assembly, anchor system, bearing plates, guardrail extruder, pipe sleeve and rubber pads.